

FIGURE 1A
(Prior Art)

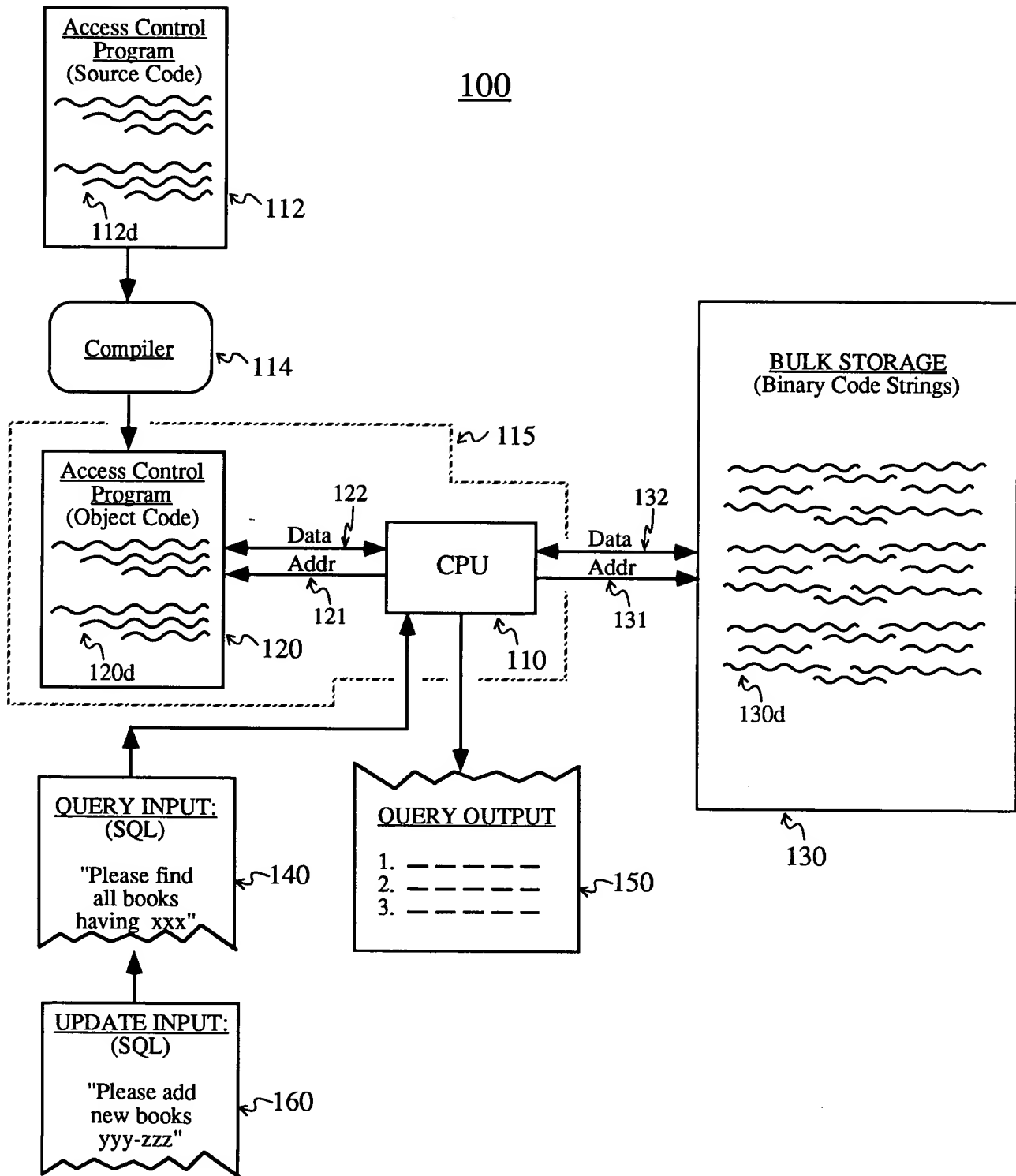


FIGURE 1B
(Prior Art)

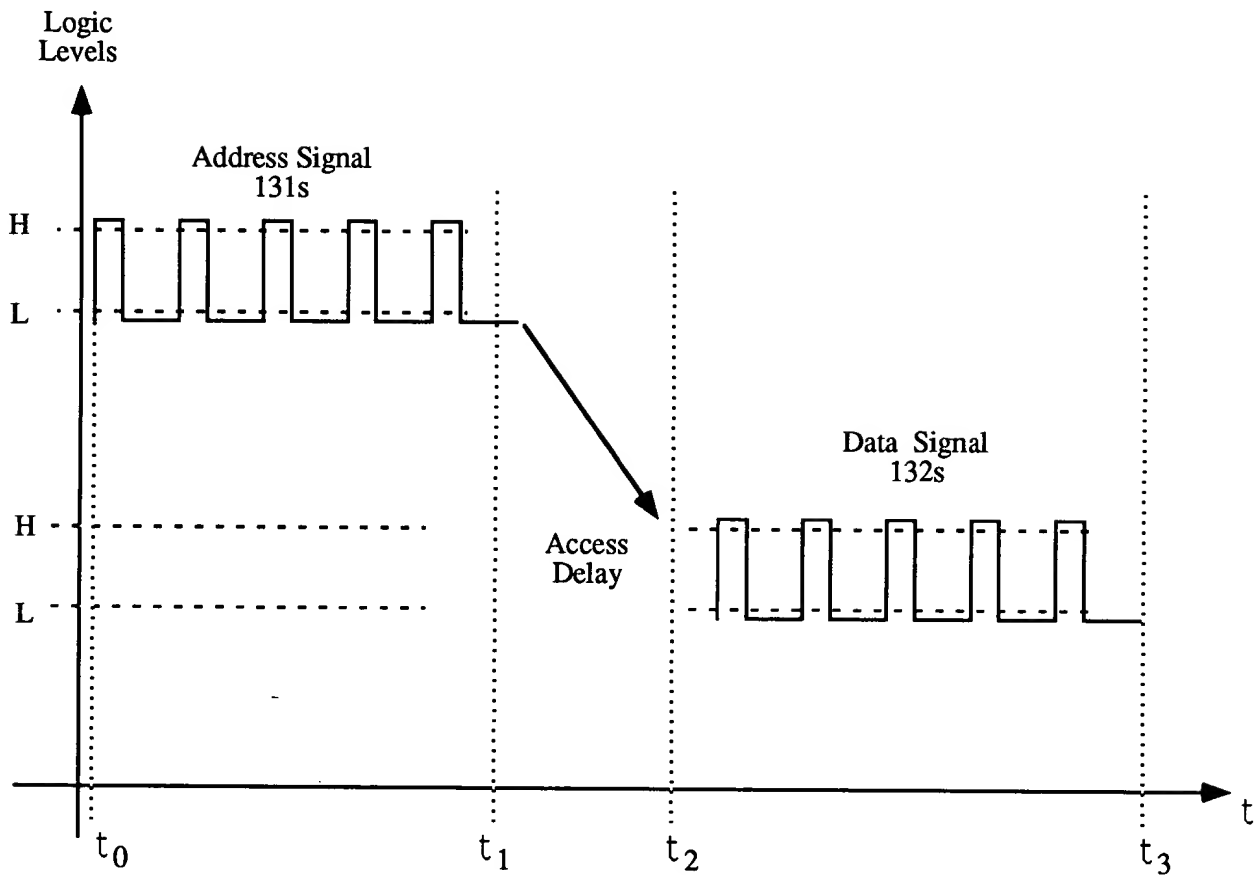


FIGURE 2A
(Prior Art)

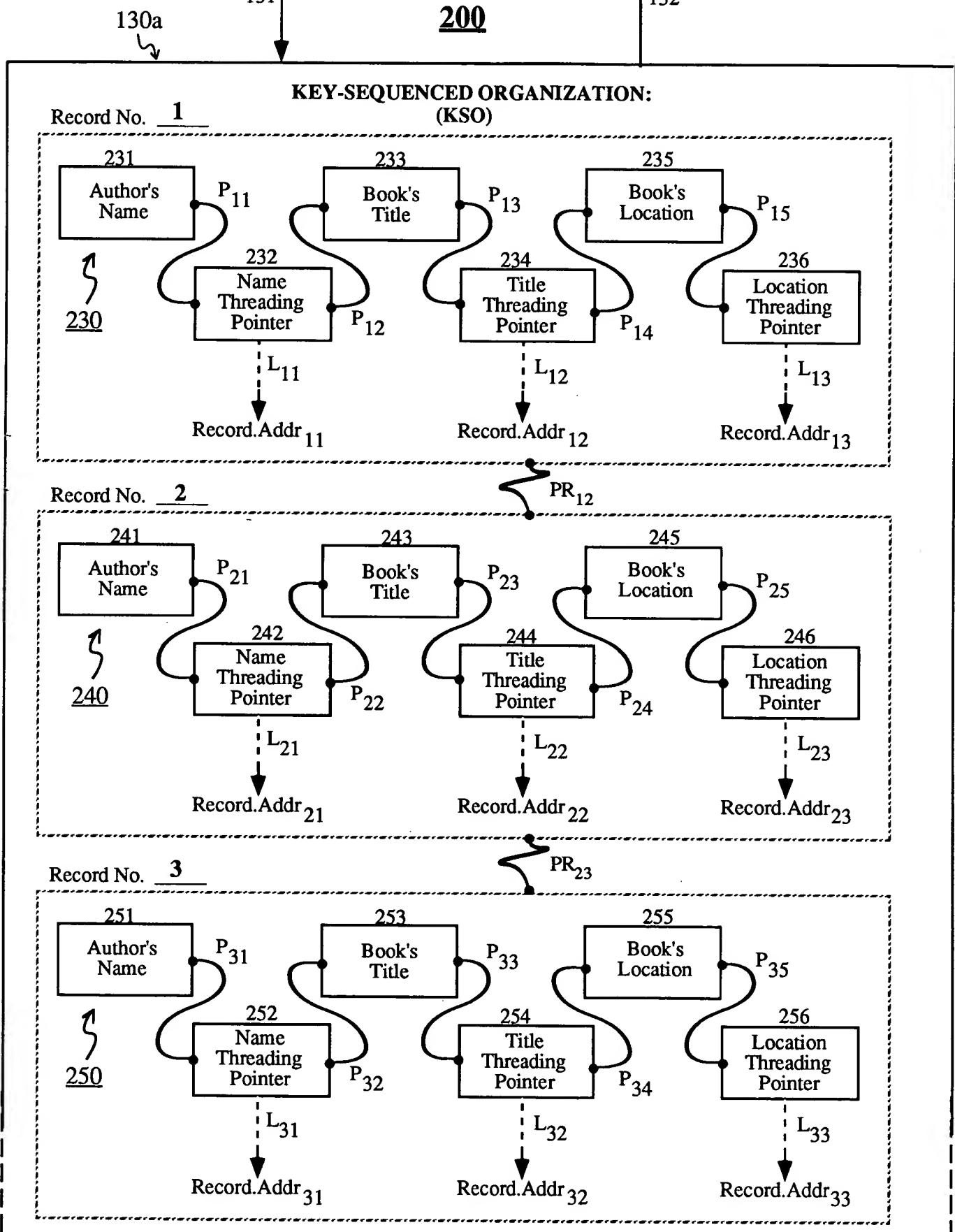
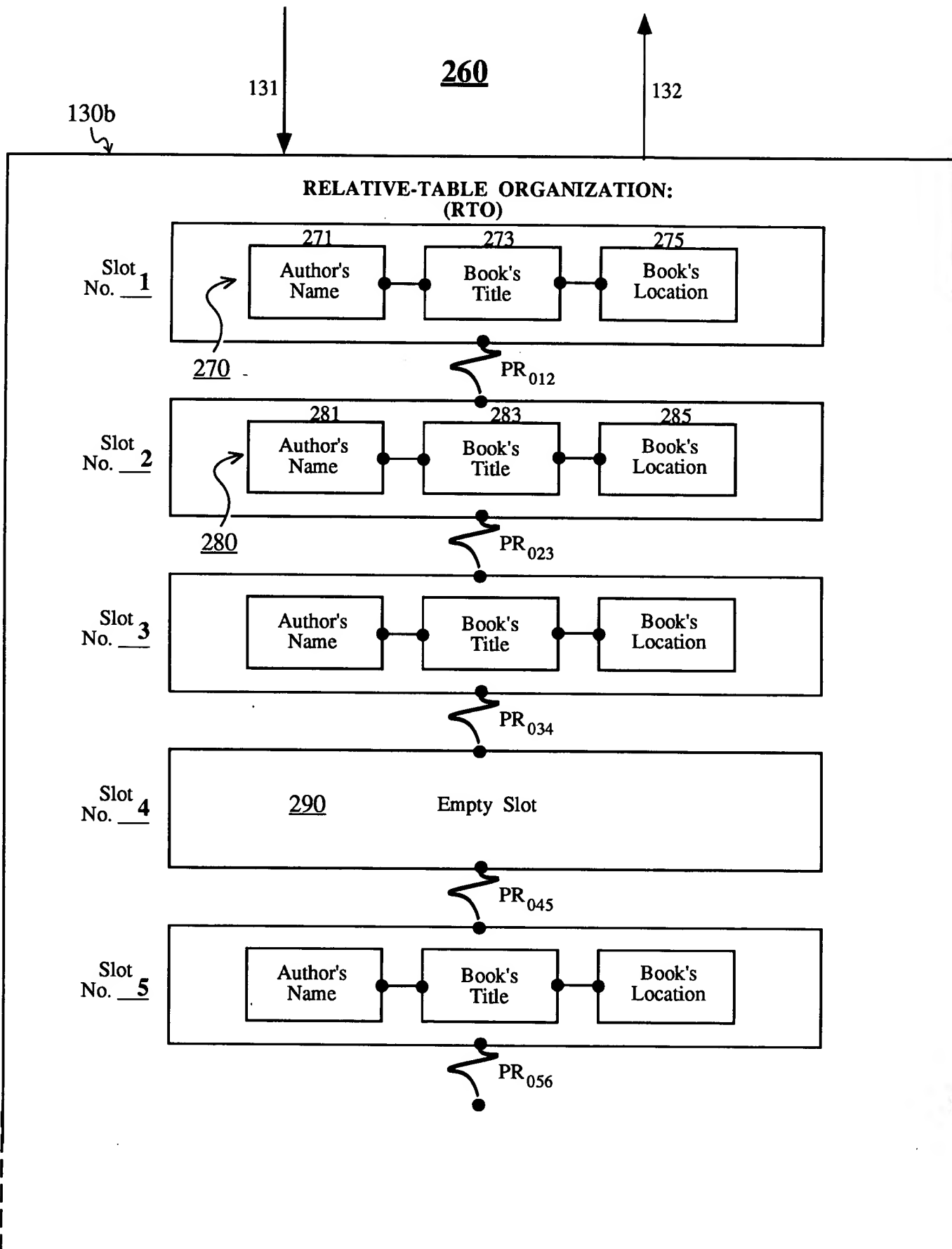


FIGURE 2B
(Prior Art)



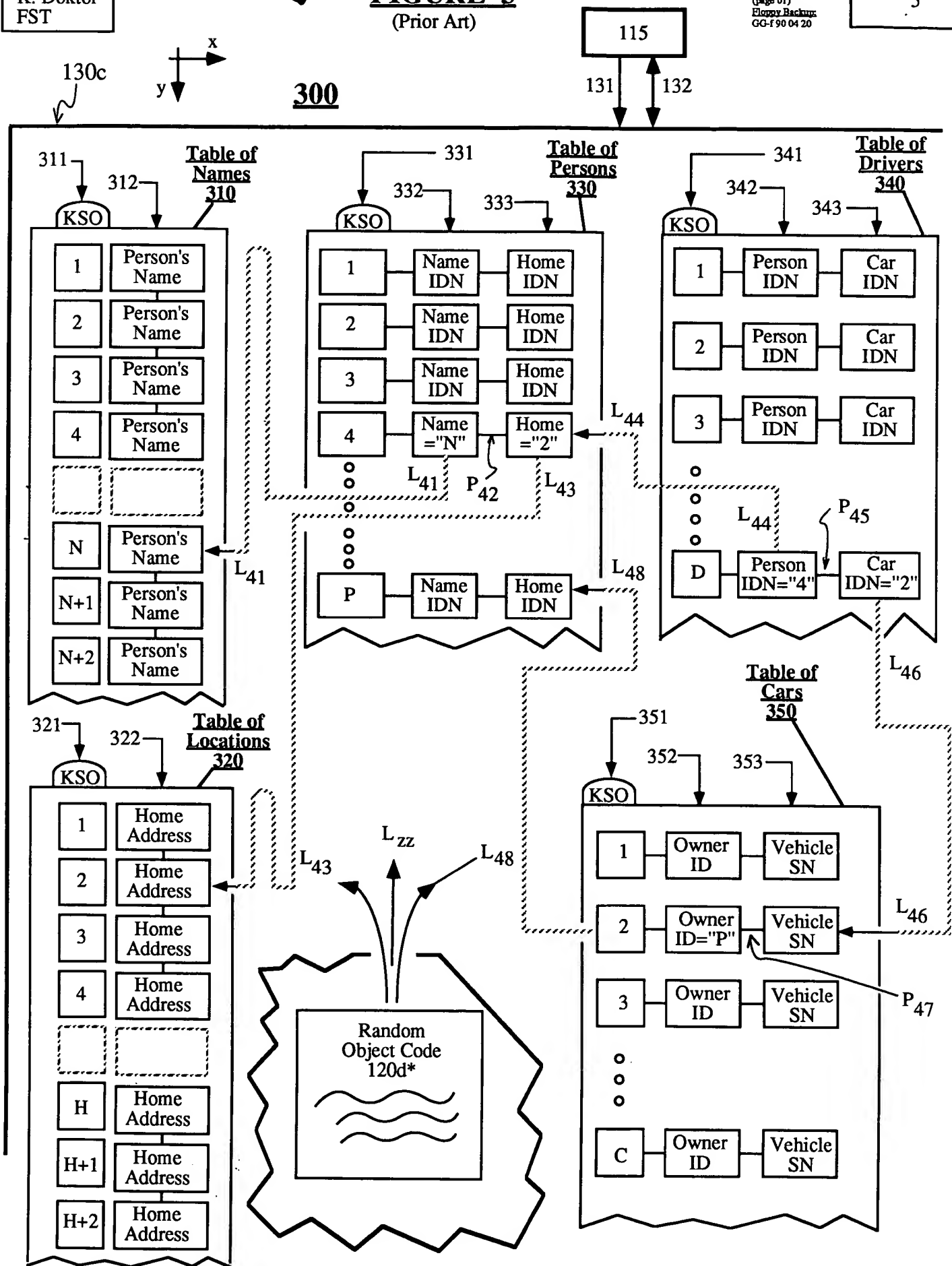


FIGURE 4A

400

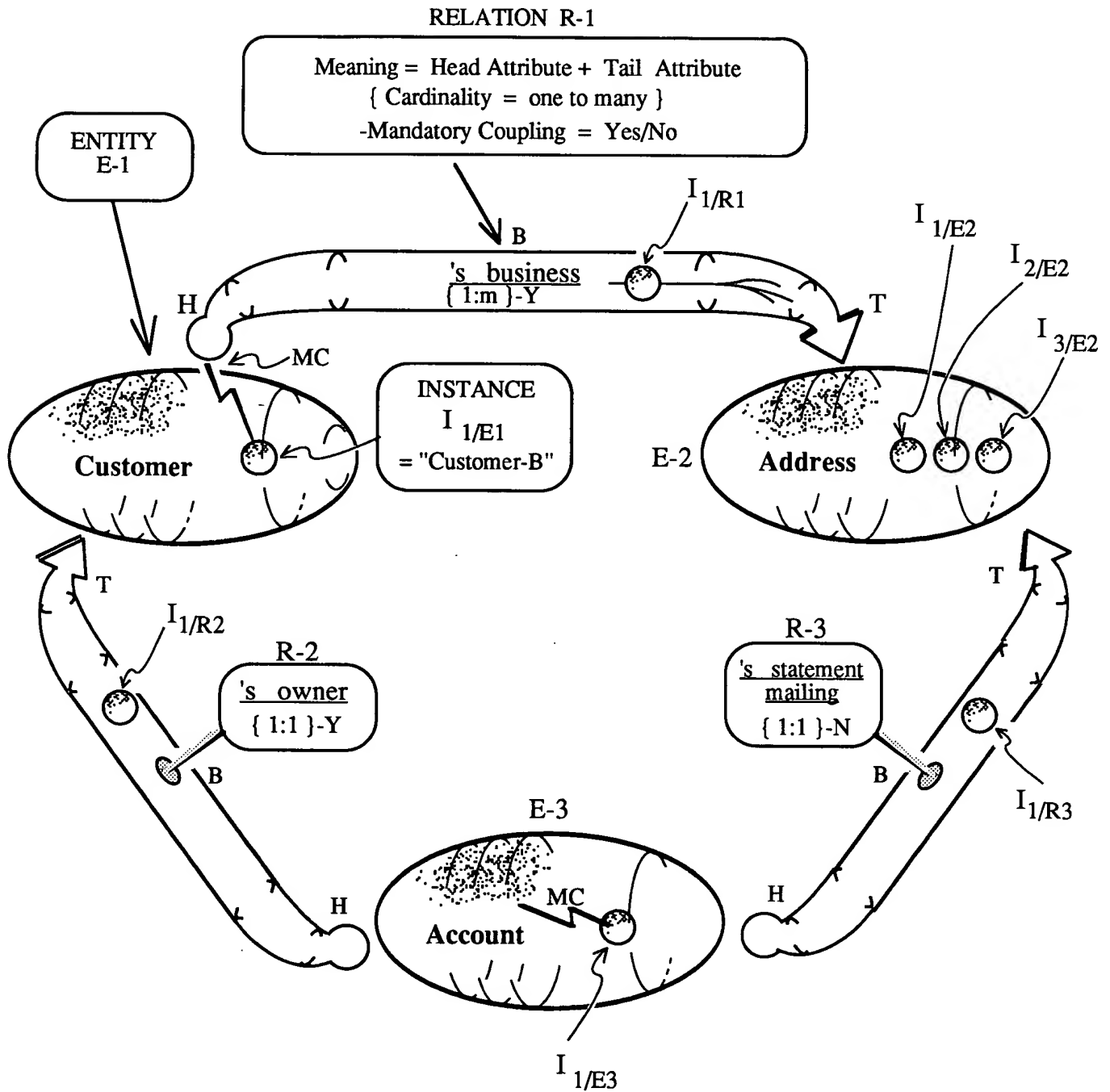


FIGURE 4B

083861-117526424

Ver: 4/30/90 11 am
Mac II hard disk:
GG/ m1226(P4ab)
(page 02)
Floppy Backup:
GG-f 90 04 20

Sheet
7

450

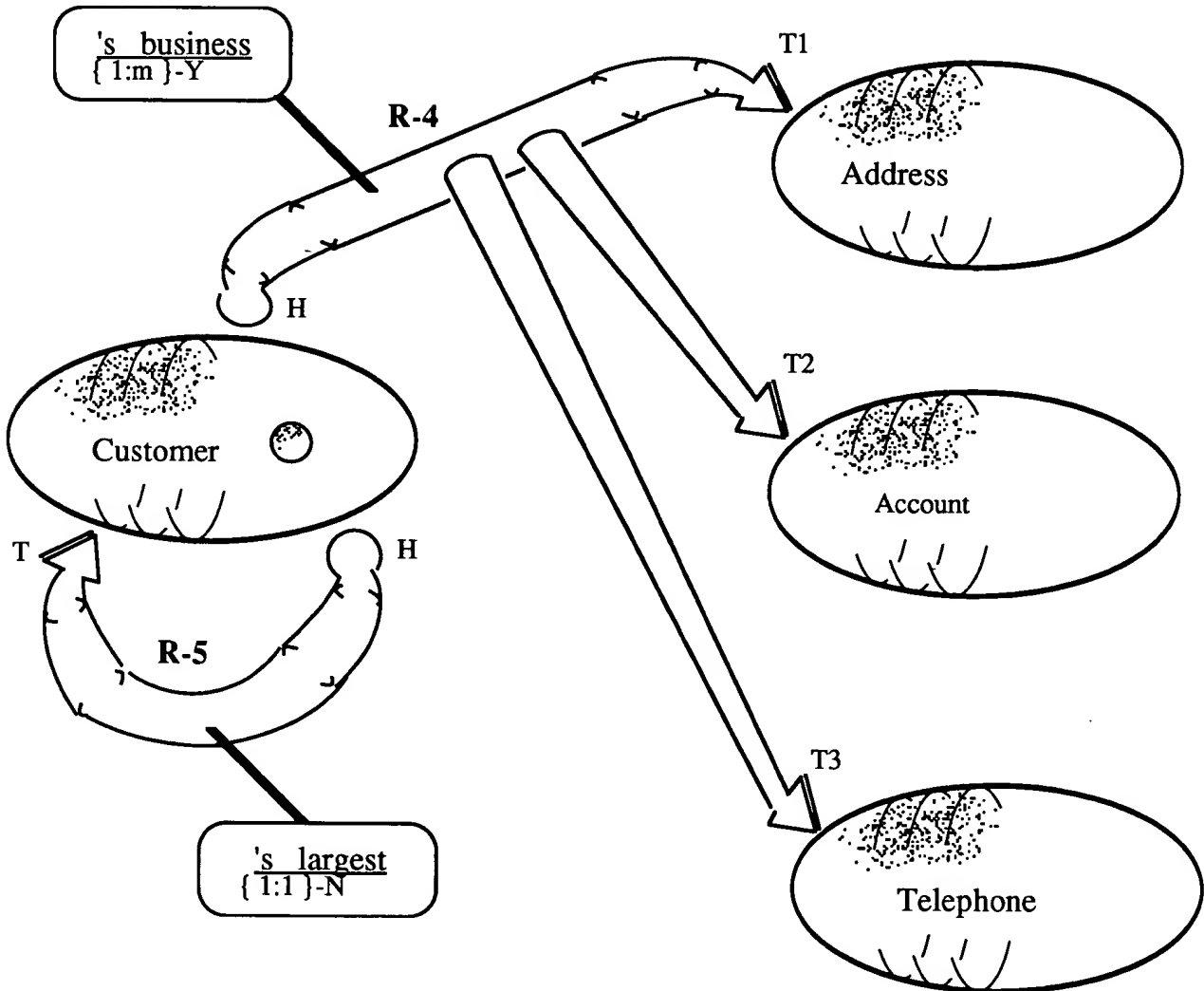


FIGURE 5

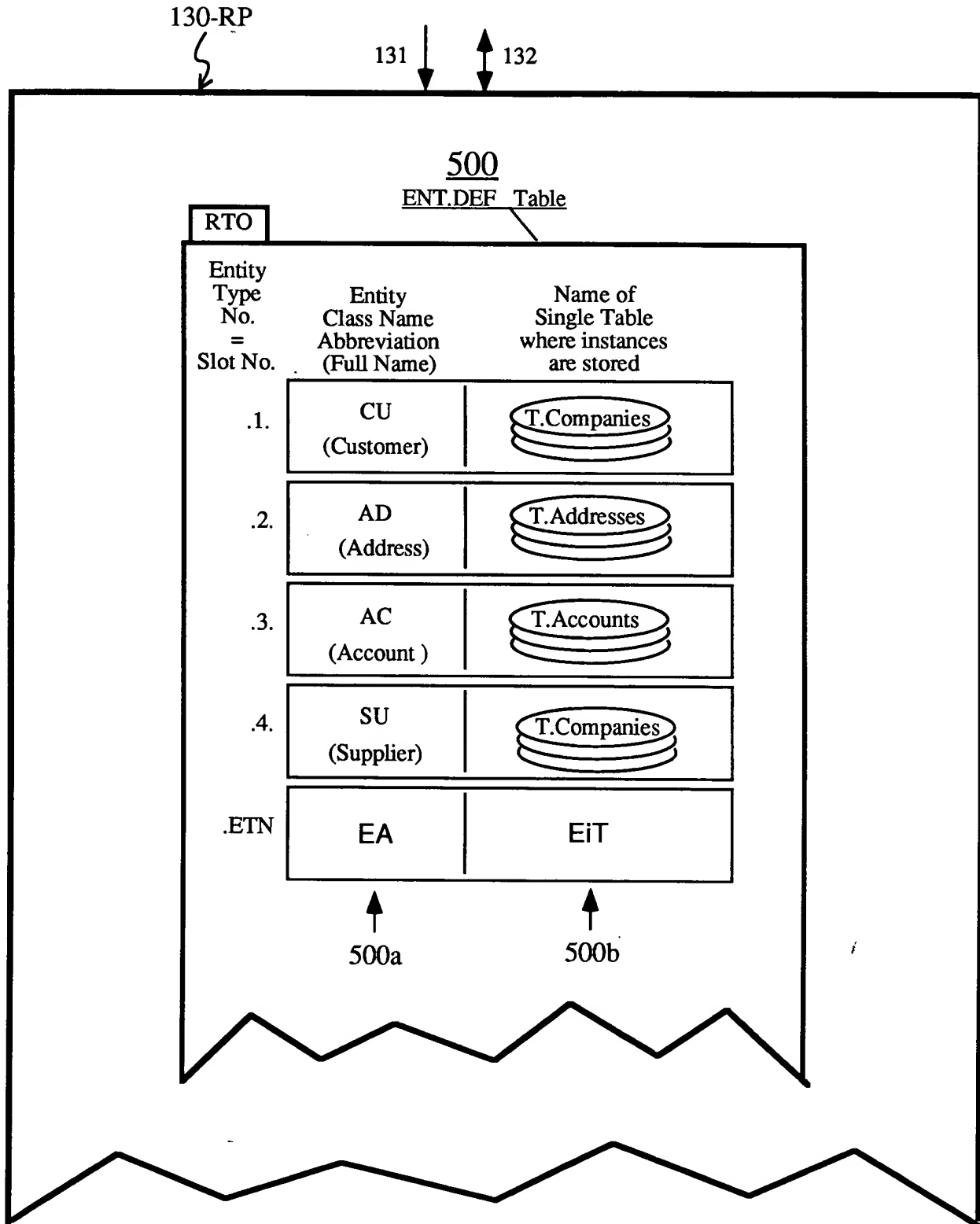


FIGURE 6A

083861 117526424

Ver: 5/7/90 11 am
Mac II hard disk
GG: m1226(P5,6ab)
(page 02)
Floppy Backup
GG-f90 04 20

130-RP

131

132

600 REL.DEF Table

RTO

Relation Type No. = Slot No.	Relation Class Name Abbreviation (Full Name)	Name of Single Table where instances of Relation are stored	Head Entity Type Number (Full Name)	First Tail Entity Type Number (Full Name)	Cardinality 600f		
.1.	-BU- ('s Business)	T.Rel-1	.1 (Customer)	.2 (Address)		{1:m}	Y
.2.	-OW- ('s Owning)	T.Rel-2	.3 (Account)	.1 (Customer)		{1:1}	Y
.3.	-SM- ('s St. Mailing)	T.Rel-3	.3 (Account)	.2 (Address)		{1:1}	N
.4.	-HQ- ('s Main Headqtrs)	T.Rel-1	.1 (Customer)	.2 (Address)		{1:1}	Y
.RTN	-RA-	RiT	ETN _h	ETN _{t1}			

600a

600b

600c

600d

Optional
Second thru Fifth
Tail Entity
Names
(type)
600e

Mandatory
Head
Coupling
600g

FIGURE 6B

083861

Ver: 5/21/90 2 pm
Mac II hard disk
GG m1226(F5,6ab)
(page 03)
Floppy Backup:
GG-T 90 04 20

07/526424

Sheet
10

130-RP

131

132

600

REL.DEF Table

RTO

Optional
Second thru Fifth
Tail Entity
Names
Region
600e

	T2 (602)	T3 (603)	T4 (604)	T5 (605)	Tail-Activation Mask (606)
.1	.4 (Supplier)	.5 (Area)	.6 (Phone No.)	.3 (Account)	● ○ ○ ○ ○
.2	.7 (Branch)				● ○ ○ ○ ○
.3	.7 (Branch)	.8 (Contact Person)			● ○ ○ ○ ○
.4	.6 (Phone No.)	.8 (Contact Person)	.3 (Account)		● ● ○ ● ○
.5					○ ○ ○ ○ ○

Entity
Type Number
(and Name)

Relation
Type
No.

T1

T2

T3

T4

T5

130-RP

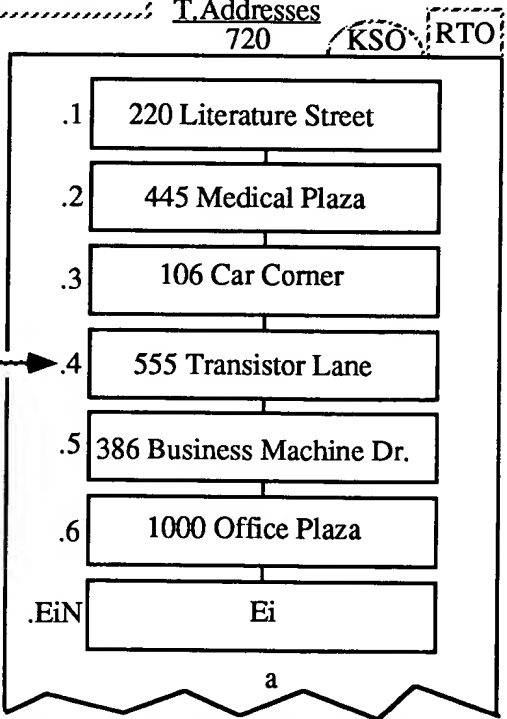
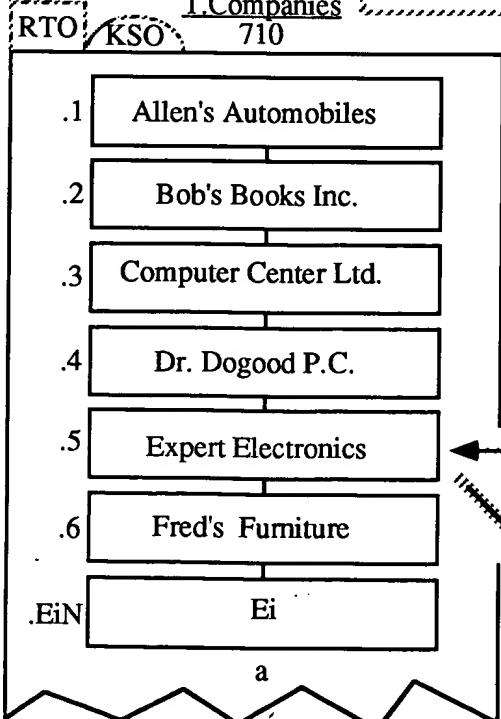
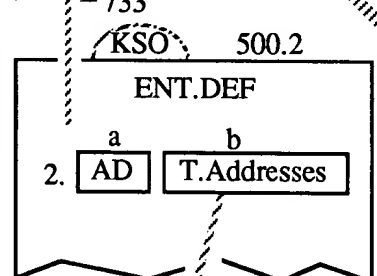
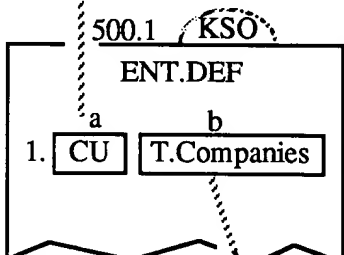
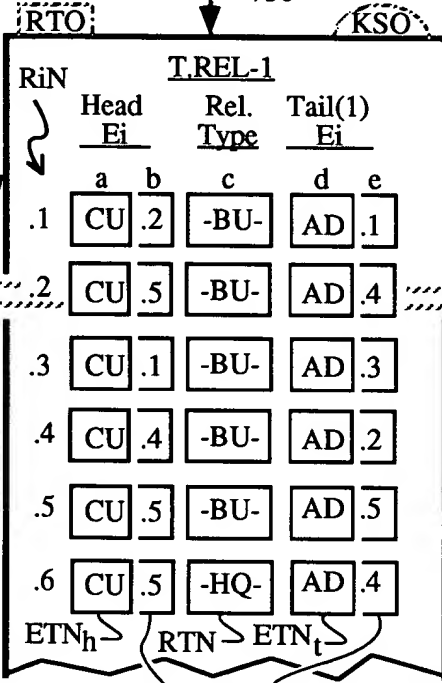
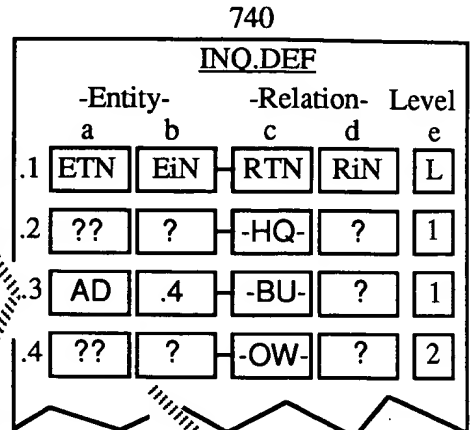
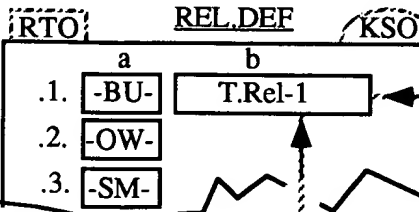
700

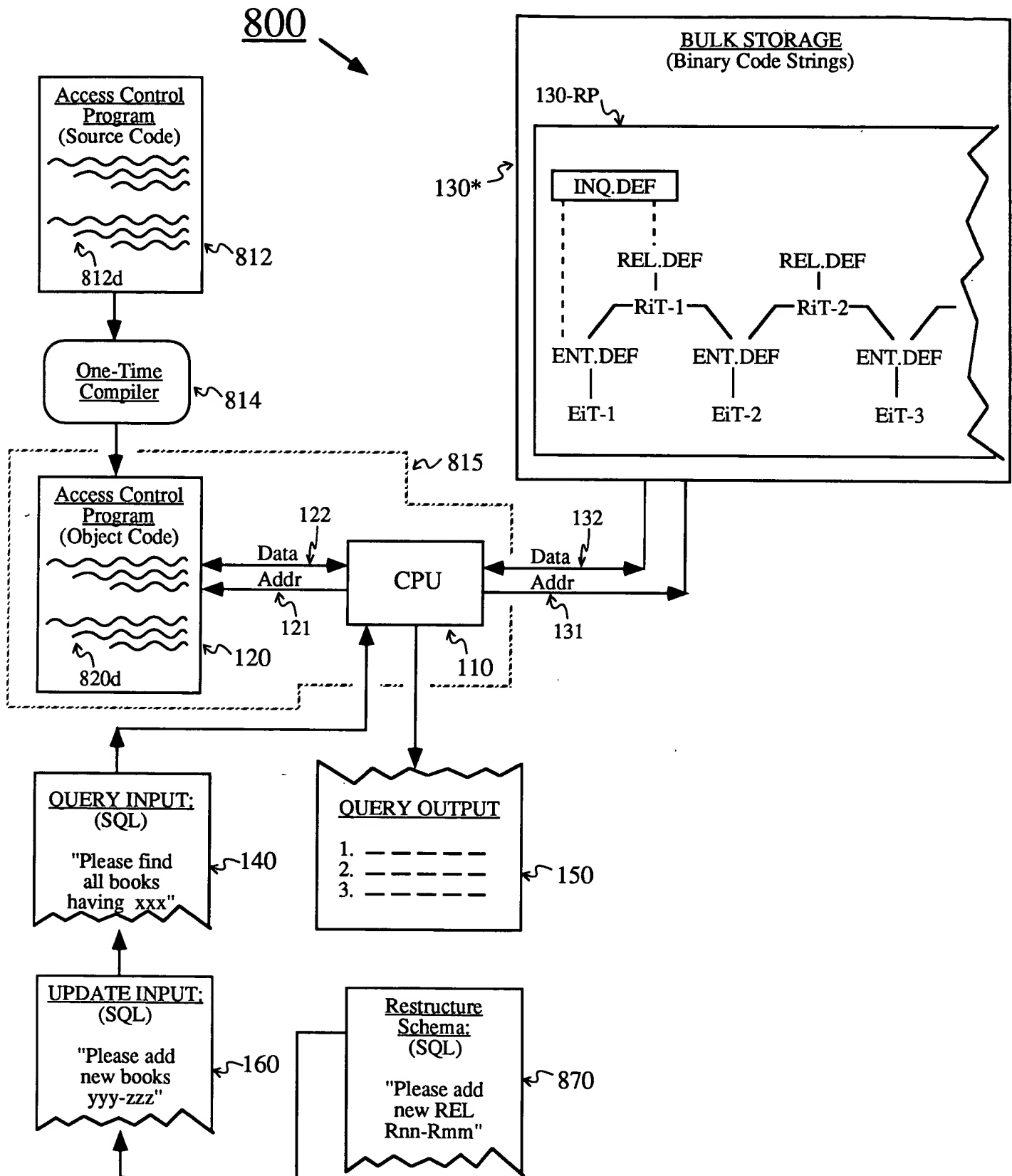
131 132

REQUEST
for:

- (a) Search
- (b) Inquiry
- (c) Update
- (d) Restructure
-Schema

Involving
the relationship:
-BU-





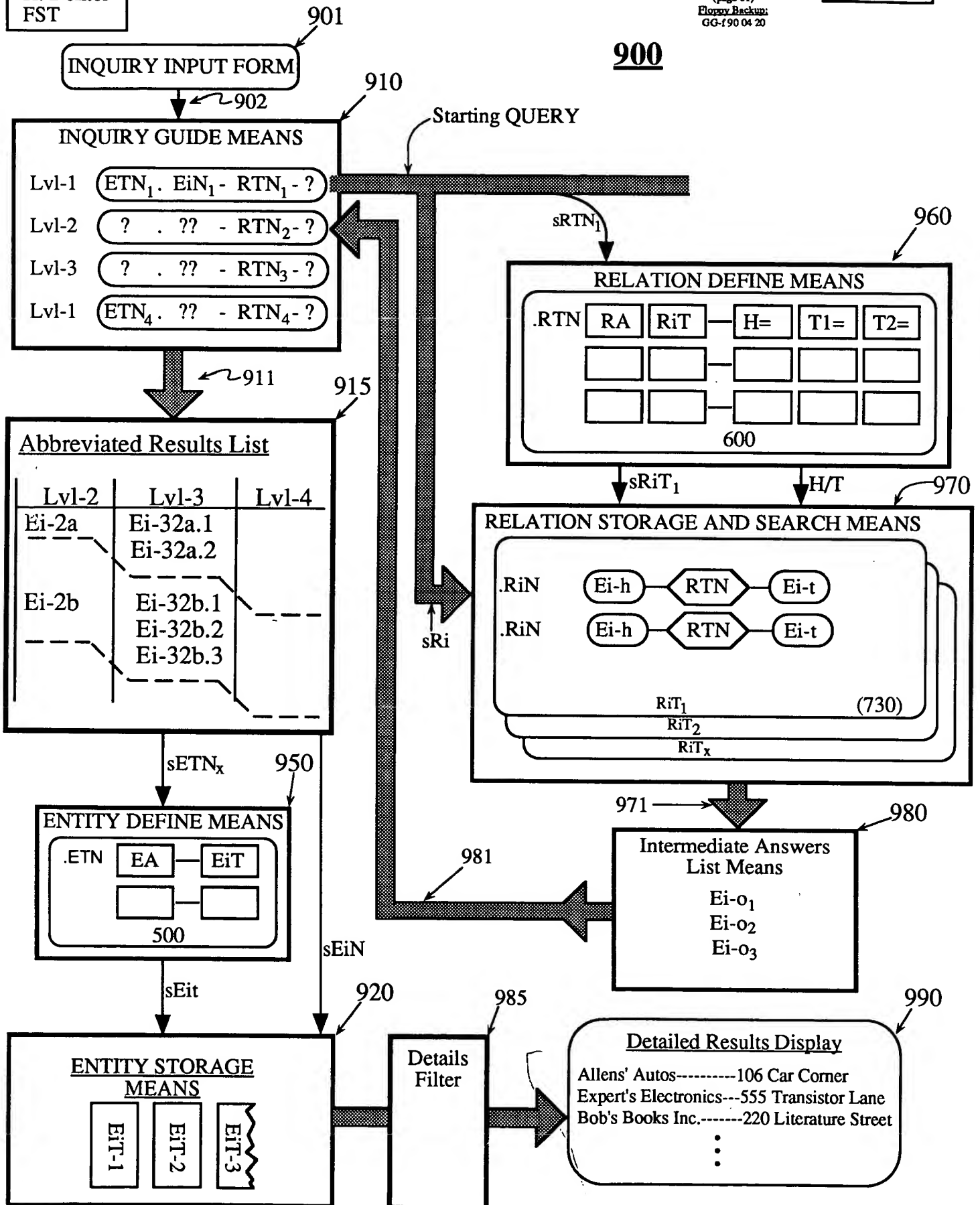


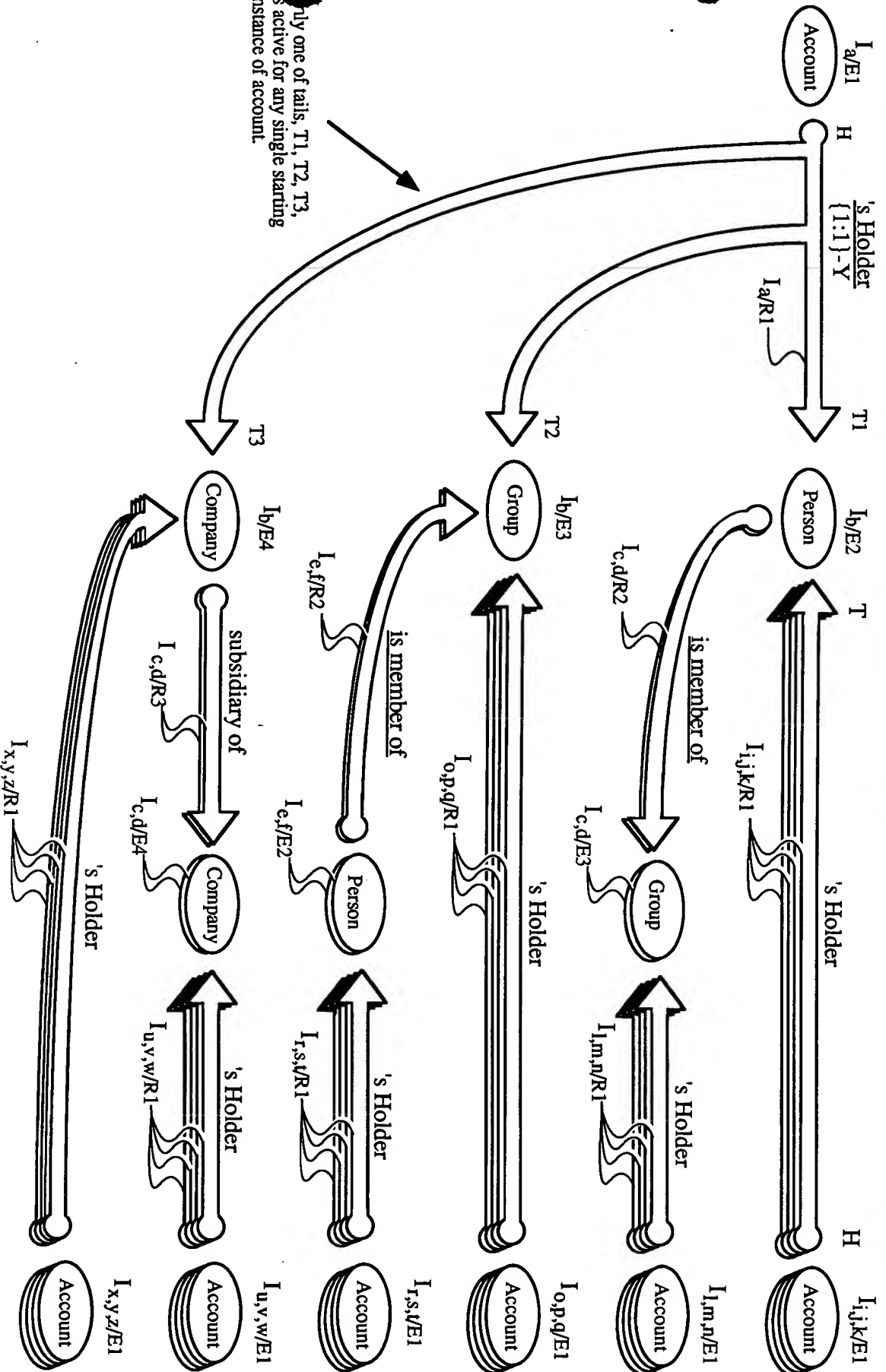
FIGURE 10

Starting
Instance

Level -1
Intermediate
Instance(s)

Level-2
Intermediate
Instance(s)

Ending
Instances



Only one of tails, T1, T2, T3,
is active for any single starting
instance of account.